

**What is Claimed is:**

1. A mechanism to determine if a power tool is in a horizontal or vertical plane, comprising:

a housing, a cavity in said housing;

5 a rotating member in said housing, said rotating member moving in said cavity such that said rotating member seeks an equilibrium position which corresponds to a horizontal or vertical plane;

electrical contacts coupled with said rotating member, said electrical contacts only completing an electrical circuit when said rotating member is in said equilibrium position;

10 an indicator electrically coupled with said electrical contacts for indicating to a user when the mechanism is in an equilibrium position; and

a power source coupled with said electrical contacts and said indicator for energizing said indicator when said electrical circuit is complete.

2. The mechanism according to Claim 1, wherein said rotating member being fixed for rotation about a center axis in a cylindrical cavity in said housing.

3. The mechanism according to Claim 2, wherein said rotating member includes a biased electrical contact.

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4. The mechanism according to Claim 2, wherein said electrical contacts being a pair of annular members coupled with said housing, each said annular member including electrical contact portions spaced ninety (90°) degrees from one another about a circle such that as said rotating member reaches said equilibrium position, said rotating member biased electrical member contacts said annular rings electrical contact portions completing the circuit and activating said indicator.

5. The mechanism according to Claim 2, wherein rotating member being manufactured from an electrically conducting material.

6. The mechanism according to Claim 5, wherein said rotating member being cylindrical with at least one projecting member.

7. The mechanism according to Claim 6, said electrical contacts including a biased member for electrically contacting said at least one projecting member when said cylindrical rotating member is in said equilibrium position and an axle at the center axis of said rotating member completing the circuit.

8. The mechanism according to Claim 1, said cavity defined by a pair of opposing conductive conical members acting as said electrical contacts.

9. The mechanism according to Claim 8, said rotating member comprising a pair of conductive balls.

10. The mechanism according to Claim 9, said opposing conductive conical members separated by a non-conductive membrane.

11. The mechanism according to Claim 10, wherein said membrane includes apertures positioned 90°, about a circle, apart from one another.

12. The mechanism according to Claim 11, wherein said balls contacts one another through said apertures when said balls are in said equilibrium position completing the circuit and activating said indicator.

13. A power tool comprising:  
a housing;  
a motor within said housing;  
an output coupled with said motor;  
5 an activation member for energizing said motor for rotating said output;  
a power source electrically coupled with said motor and said activation  
member; and  
a leveling mechanism comprising:  
a housing coupled with said power tool housing;  
10 a cavity in said housing;  
a rotating member in said housing, said rotating member moving in said  
cavity such that said rotating member seeks an equilibrium position which  
corresponds to a horizontal or vertical plane;  
15 electrical contacts coupled with said rotating member, said electrical  
contacts only completing an electrical circuit when said rotating member is in said  
equilibrium position;  
an indicator electrically coupled with said electrical contacts for  
indicating to a user when the mechanism is in an equilibrium position; and  
a power source coupled with said electrical contacts and said indicator  
20 for energizing said indicator when the circuit is complete.

14. The power tool according to Claim 13, wherein said rotating member  
being fixed for rotation about a center axis in a cylindrical cavity in said housing.

15. The power tool according to Claim 14, wherein said rotating member includes a biased electrical contact.

5 16. The power tool according to Claim 14, wherein said electrical contacts being a pair of annular members coupled with said housing, each said annular member including electrical contact portions spaced ninety (90°) degrees from one another about a circle such that as said rotating member reaches said equilibrium position, said rotating member biased electrical member contacts said annular rings electrical contact portions completing the circuit and activating said indicator.

17. The power tool according to Claim 14, wherein rotating member being manufactured from an electrically conducting material.

18. The power tool according to Claim 17, wherein said rotating member being cylindrical with at least one projecting member.

19. The power tool according to Claim 18, said electrical contacts including a biased member for electrically contacting said at least one projecting member when said cylindrical rotating member is in said equilibrium position and an axle at the center axis of said rotating member completing the circuit.

20. The power tool according to Claim 13, said cavity defined by a pair of opposing conductive conical members acting as said electrical contacts.

21. The power tool according to Claim 20, said rotating member comprising a pair of conductive balls.

22. The power tool according to Claim 21, said opposing conductive conical members separated by a non-conductive membrane.

23. The power tool according to Claim 22, wherein said membrane includes apertures positioned 90°, about a circle, apart from one another.

24. The power tool according to Claim 23, wherein said balls contacts one another through said apertures when said balls are in said equilibrium position completing the circuit and activating said indication.

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